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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of )  
Dieter Tischendorf )  
Application No. 10/565,361 ) Attention:  
Filed: January 23, 2006 ) Primary Examiner  
International Application ) Docket No. CPB-MUL-34  
No. PCT/EP2004/008269 )  
Filed: July 23, 2004 )  
For: METHOD FOR THE PRODUCTION )  
OF RAW MATERIALS FOR CANDLE )  
PRODUCTION AND A HEAT SOURCE )  
MATERIAL )

Commissioner For Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

SUBMISSION OF INTERNATIONAL  
PRELIMINARY REPORT ON PATENTABILITY

Applicant hereby submits a Notification Of Transmittal (PCT/IB/338) dated June 8, 2006 and an attached Translation of International Preliminary Report On Patentability (PCT/IPEA/409) from the International Bureau for International Application No. PCT/EP2004/008269.

Respectfully submitted,

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July 7, 2006

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

To:

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ALLEMAGNE

**EINGEGANGEN**

14. JUNI 2006

Dr. Eckhard Müller  
Patentanwalt

Date of mailing (day/month/year)  
08 June 2006 (08.06.2006)

Applicant's or agent's file reference  
T10P2EP/PCT

**IMPORTANT NOTIFICATION**

International application No.  
PCT/EP2004/008269

International filing date (day/month/year)  
23 July 2004 (23.07.2004)

Applicant

TISCHENDORF, Dieter

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

**2. Transmittal of the copy of the translation to the designated or elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

KR

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

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**Translation**

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>T10P2EP/PCT</b>	FOR FURTHER ACTION See Form PCT/IP/EA/416	
International application No. <b>PCT/EP2004/008269</b>	International filing date (day/month/year) <b>23.07.2004</b>	Priority date (day/month/year) <b>24.07.2003</b>
International Patent Classification (IPC) or national classification and IPC <b>C11B1/00, C11C5/00, C09K5/06</b>		
Applicant <b>TISCHENDORF, Dieter</b>		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:

- a. ☐ (sent to the applicant and to the International Bureau) a total of \_\_\_\_\_ sheets, as follows:
  - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
  - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
- b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) \_\_\_\_\_

\_\_\_\_\_, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited   |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application  |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application   |

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPE/VEP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/008269

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on translations from the original language into the following language \_\_\_\_\_ which is the language of a translation furnished for the purposes of:

- ☐ international search (Rule 12.3 and 23.1(b))  
☐ publication of the international application (Rule 12.4)  
☐ international preliminary examination (Rule 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

☐ the international application as originally filed/furnished

☒ the description:

pages 1-12 \_\_\_\_\_ as originally filed/furnished

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

☒ the claims:

nos. 1-22 \_\_\_\_\_ as originally filed/furnished

nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19

nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

☐ the drawings:

sheets \_\_\_\_\_ as originally filed/furnished

sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages \_\_\_\_\_

☐ the claims, nos. \_\_\_\_\_

☐ the drawings, sheets/figs \_\_\_\_\_

☐ the sequence listing (specify): \_\_\_\_\_

☐ any table(s) related to sequence listing (specify): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐ the description, pages \_\_\_\_\_

☐ the claims, nos. \_\_\_\_\_

☐ the drawings, sheets/figs \_\_\_\_\_

☐ the sequence listing (specify): \_\_\_\_\_

☐ any table(s) related to sequence listing (specify): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/008269

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims <u>1-22</u>	YES
	Claims _____	NO
Inventive step (IS)	Claims _____	YES
	Claims <u>1-22</u>	NO
Industrial applicability (IA)	Claims <u>1-22</u>	YES
	Claims _____	NO

## 2. Citations and explanations (Rule 70.7)

1. This report makes reference to the following documents:

D1: EP-A-1228701

D2: WO-A-9605278

2. Novelty (PCT Article 33(2))

2.1 The subject matter of claims 1-22 appears to be novel.

3. Inventive step (PCT Article 33(3))

3.1 The present application does not meet the requirements of PCT Article 33(1) because the subject matter of claims 1-22 does not involve an inventive step (PCT Article 33(3)).

3.2 Document D1 is considered to constitute the prior art closest to the subject matter of claim 1 and discloses (cf. claim 1) a process for extracting waxes, for example, from natural raw materials, comprising the following steps: (1) the starting

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	<p>product is ground, (2) the lipophilic substances are extracted by means of an extraction agent before or after water is added, and (3) the mush is separated by centrifugation into an aqueous phase which contains solid components, and into a liquid organic phase.</p> <p>The subject matter of claim 1 therefore differs from the known process in that the isolated lipophilic substances are esterified, refined and/or hydrogenated.</p> <p>Waxes are well known, natural raw materials in candle manufacture and as thermal storage materials; their esterification, refinement and hydrogenation are well known further processing steps. Consequently, a person skilled in the art would consider the inclusion of this feature in the process described in D1 a conventional measure for solving the stated problem.</p> <p>3.3 D2 also discloses (cf. claim 1) a process for extracting waxes, for example, from natural raw materials, in which the starting product is ground and transformed into an aqueous mush, then separated by centrifugation into an aqueous phase which contains solid components, and into a liquid organic phase.</p> <p>3.4 The subject matter of claim 1 therefore does not involve an inventive step (PCT Article 33(3)), and for this reason the subject matter of claims 21</p>

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/008269

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

and 22 also fails to involve an inventive step.

- 3.5 Dependent claims 2-20 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT inventive step requirements.

Dependent claims 2-20 relate to minor structural modifications of the process as per claim 1 of the kind that a person skilled in the art routinely makes on the basis of familiar considerations, especially since the resulting advantages are readily foreseeable. Consequently, the subject matter of claims 2-20 also fails to involve an inventive step.